

April 8, 1998

MINUTES

TRI-SERVICE CADD/GIS TECHNOLOGY CENTER

Tri-Service Facility Management Standards Task Group Meeting

March 10 - 11, 1998

**Naval Air Station
Patuxent River, Maryland**

Draft, April 8, 1998

Approved For Public Release; Distribution Is Unlimited

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**Tri-Service CADD/GIS Technology Center
Waterways Experiment Station
Vicksburg, Mississippi**

**MEETING AGENDA
Tri-Service Facility Management Standards (TSFMS) Task Group Meeting**

March 10 – 11, 1998

At

Patuxent River Naval Air Station
Lexington Park, Maryland

Tuesday, March 10, 1998

0830 – 0900 Meeting Agenda & Introductions – Bobby Carpenter

0900 – 1030 Patuxent River Naval Air Station Computerized/CADD/GIS Facility
Management & Electronic Document Management Initiatives – Bobby Bean

1030 – 1045 Break

1045 – 1200 Work Item Concept for Data Modeling - Patuxent River Naval Air Station
- Bobby Bean

1200 – 1300 Lunch

1300 – 1500 Army Center for Public Works (CPW) IFS Initiatives – Ron Niemi

1500 – 1515 Break

1515 – 1600 Army Center for Public Works (CPW) IFS Initiatives (Continued)

1600 – 1700 Review FY97 TSFMS Task Group Meeting Minutes – Bobby Carpenter

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0945 - 1030 FTAG & EWG Perspective for TSFMS Development & Integration of Tri-Service CADD/GIS Standards – Bobby Bean

1030 – 1200 Scope of TSFMS – Group

1200 – 1300 Lunch

1300 – 1430 Scope of TSFMS (Continued) – Group

1430 – 1445 Break

1445 – 1600 TSFMS Development Plan Priorities & Goals

1600 – 1630 Revisit FY98 TSFMS Development Schedule & Goals

1630 – 1700 Future TSFMS Task Group Meeting(s)?

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MEETING ATTENDANCE LIST

Name	Title/Position	Organization	Mailing Address	Phone/Fax/E-Mail No.
Bill Snyder	BIS Team Leader	PW, NAS Pax River	22445 Peary Road Patuxent River, MD 20670	(301) 757-4902 (301) 342-3700 – Fax Snyder_Bill%Pax9A@mr.nawcad.navy.mil
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Bobby Carpenter	Environmental Engineer	Tri-Service CADD/ GIS Technology Center	USAE Waterways Expmt Station 3909 Halls Ferry Rd Vicksburg, MS 39180-6199	(601) 634-4572 (601)634-4584 carpenb@ex1.wes.army.mil
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PROCEEDINGS

Introductions & Meeting Agenda

Each attendee introduced themselves and provided a brief overview of their job and the activities in which they are involved. Copies of the meeting agenda were passed out and briefly discussed.

Patuxent River Naval Air Station Computerized/CADD/GIS Facility Management & Electronic Document Management Initiatives

The powerpoint slides used in this presentation are included in Appendix A.

Work Item Concept for Data Modeling

Mr. Bobby Bean and Mr. Colt Gregory presented the concepts of the Work Item Management Entity Set his office was working on in cooperation with the Tri-Service Center. The Work Item Management Entity Set is being developed for implementation at the Patuxent River Naval Air Station, but is being designed in such a manner to facilitate it's incorporation into the Tri-Service Facility Management Standards (TSFMS). The powerpoint slides used in this presentation are included in Appendix B.

Army Center for Public Works (CPW) - Facilities Management Directorate - Integrated Facilities System (IFS-M)

Mr. Ron Niemi presented an overview of IFS-M, which was developed to provide facility management functions at Army installations. Some of the facility management areas addressed in IFS-M include real property management, contract administration, supply interface, customer service, job cost accounting, and work estimating. The powerpoint slides used in this presentation are included in Appendix C.

CPW GIS and IFS - Product Integration and Data Warehousing

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Copies of the minutes for the February 20 - 21 1997 TSFMS Task Group Meeting at Metairie, Louisiana were distributed and briefly discussed. A copy of these minutes is included in Appendix E.

FTAG & EWG Perspective for TSFMS Development and Integration of Tri-Service CADD/GIS Standards

Mr. Bobby Bean presented the Tri-Service Center's Field Technical Advisory Group (FTAG) and Executive Working Group (EWG) perspective concerning the development of an integrated CADD/GIS standards for the Installation & Project Life Cycle.

Overview of Tri-Service CADD/GIS Standards Development Initiatives

Mr. Bobby Carpenter presented an overview of the Tri-Service CADD/GIS Standards Development Initiatives, focusing on the activities involved in the FY97 - FY98 TSFMS development effort. The powerpoint slides included in this presentation are included in Appendix F.

Scope of TSFMS & TSFMS Development Plan Priorities & Goals

A group discussion included the following

DoD classifications include:

Class 1 -

Land Management Areas

Class 2 -

Facility

Building

Utility

Structures (roads, etc.)

A unique Facility Id is needed for each facility type feature in the TSSDS (e.g., roads, poles, etc.). Tri-Service unique Facility Ids have not been developed and should be

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The ACC contains Air Force air space data standards. RISMIS 25 is the latest Range and Training program developed for the Army at Huntsville, AL. MAGIC 1.0 is used for scheduling of range use.

The group developed the FY98 - FY99 target TSFMS priorities and goals provided below:

Remainder of Fiscal Year 1998 (FY98) -

1. Space Management. Focus on development of CADD/GIS Space Management Data Standards. These data standards would pertain to the management of building spaces and have to be coordinated with the A/E/C CADD Standards. Building space management typically uses the architectural floor plans (polygons). Mr. Bobby Carpenter will prepare a draft scope of work for review by the task group. Mr. Bean indicated that his organization may be interested in performing the developmental work.

Possible Attributes would include:

- a. Where the space is.
- b. Used by Tenant (yes/no).
- c. Gross Area ("official" total area used in reporting to upper management, etc.

May be not be exactly the same as the "measured" area).

- d. Net Rentable Area.
- e. Net Usable Area.
- f. Category Code?
- g. Space Type
 - (1) Business Space/Areas
 - (2) Common Space/Areas (shared space)
 - (3) Need to define how to identify and measure space?
- h. Tenant/Organization Name.
- i. Space Use Code
- j. Design Capacity
- k. Restraints
- l. Building/Structure Footprint & Roof Line
- m. Owner
- n. Security Levels, etc.
- o. Levels
- p. Key Control

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2. Work Items Entity Set. Mr. Bobby Bean's office is developing this area using the TSSDS format.

3. Range and Training. Additional range and training CADD/GIS data standards are being developed for inclusion in the TSSDS/TSFMS Release 1.8.

Begin in Fiscal Year 1999 (FY99) -

1. Land Management - Includes real property (ownership records), real estate, grounds, forest, grazing land, and mineral rights management. Possible attributes would include:

- a. Leases
- b. Outgrants
- c. Expiration dates
- d. Owners
- e. Lease Costs
- f. Jurisdiction
- g. Maintenance agreements
- h. Historical
- i. Seismic Activity
- j. Liability
- k. Accessibility
- l. Fenced
- m. Security
- n. Encroachment
- o. Abutters/neighbors
- p. Type
- q. Legal Description
- r. Title Reference
- s. Map Number

2. Utilities Management - Includes capacity, asset, maintenance programs, data systems, alarm systems, emcs, etc. management. Possible attributes would include:

- a. Maintenance and Repair Records
- b. Location

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- k. CADD Detail
- l. Cathodic Protection
- m. Location/Warning Strips
- n. Sleeves/Ducts
- o. Consumers
- p. Acquisition cost
- q. Acquisition Source
- r. Valve Direction
- s. Network analysis data requirements (e.g., flow direction, etc.)

3. Structures Management - Includes roads, improvements, piers, dry docks, runways, water frontage, pavements, sidewalks, curbs, bollards, traffic Control, emergency access points, monuments/memorials, bridges, plazas, parkways, recreation areas, nature trails, bicycle trails, fishing docks, erosion control, culverts, storm drainage, ditches, retaining walls, parking lot (spaces), barriers, fences, training aides, etc.

4. Emergency Preparedness/Response - Includes fire training facility, and preparedness/response for natural disasters (e.g. floods, tornados, hurricanes, earthquakes), fires, and explosions.

5. Building Management - Includes changed conditions/categories (e.g., In Use, to be destroyed, etc.). Possible attributes would include:

- a. Furnishings
- b. Part code
- c. Model
- d. Numbers
- e. Manufacturer
- f. CADD Drawings
- g. Custodial
- h. Owner
- i. Exterior finishes
- j. Groups
- k. Accessibility
- l. Warranties
- m. Component life cycle
- n. Maintenance cycle

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b. Installation date

c. Hubs

d. Routers

e. Display outages

f. Location

Future Development -

1. **International Considerations** (e.g., NATO, etc.)?

2. **Agreements** - Interlocal, memorandums of understanding, etc?

3. **Asset Management**

4. **Grounds**

5. **Health/Safety**

6. **Security/Fire Prevention**

7. **Military Preparedness**

8. **Navigational Aids**

9. **Airfields/Piers/Transportation Infrastructure**

10. **Flood Plain Management**

11. **Signage**

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Appendix A

Patuxent River Naval Air Station Computerized/CADD/GIS Facility Management & Electronic Document Management Initiatives

Don't have a copy of the Powerpoint slides yet.

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Appendix B

Work Item Concept for Data Modeling

See Powerpoint 97 slides, filename = Workitm.ppt

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Appendix C

Army Center for Public Works (CPW) - Facilities Management Directorate - Integrated Facilities System (IFS-M)

See Powerpoint 97 slides, filename = ifspwmoc.ppt

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Appendix D

CPW GIS and IFS - Product Integration and Data Warehousing

See Powerpoint 97 slides, filename = ccb_dw.ppt